

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000634

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G02F 1/37, G02B 27/00, H03C 7/00 // G02B 5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G02B, G02F, H03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004001715 A1 (INTERUNIVERSITAIR MICROELEKTRONICA CENTRUM ET AL), 31 December 2003 (31.12.2003), page 3, line 17 - page 8, line 25, figures 13,24, claims 1,16 --	1
A	WO 03107087 A1 (NOKIA CORPORATION), 24 December 2003 (24.12.2003), figure 2, claims 1-12 --	2-10
A	US 4291337 A (TAKAMURA ET AL), 22 Sept 1981 (22.09.1981), column 1, line 4 - column 2, line 43, figures 2,3, claims 1,2,5-8 --	1

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"V" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

15 March 2004

Date of mailing of the international search report

17-03-2004

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4401984 A (TABATA ET AL), 30 August 1983 (30.08.1983), figure 1, claims 1-8  -- -----	2-10

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

27/02/2004

International application No.

PCT/FI 2003/000634

WO	2004001715	A1	31/12/2003	GB	0214468 D	00/00/0000
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WO	03107087	A1	24/12/2003	NONE		
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US	4291337	A	22/09/1981	JP	1387885 C	14/07/1987
				JP	55035592 U	07/03/1980
				JP	55044788 A	29/03/1980
				JP	61055784 B	29/11/1986
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US	4401984	A	30/08/1983	CH	647635 A	15/02/1985
				GB	2062330 A,B	20/05/1981
				JP	1451350 C	25/07/1988
				JP	56049765 U	02/05/1981
				JP	56057097 A	19/05/1981
				JP	62057999 B	03/12/1987
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